

# PGT-13-S



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**Described product**

PGT-13-S

**Manufacturer**

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**Original document**

This document is an original document of SICK AG.

## 1 Introduction

### 1.1 Install and start SOPAS Engineering Tool

- 1 Download the latest SICK SOPAS Engineering Tool (SOPAS ET) from [www.sick.com](http://www.sick.com).
- 2 Install and start SOPAS ET.

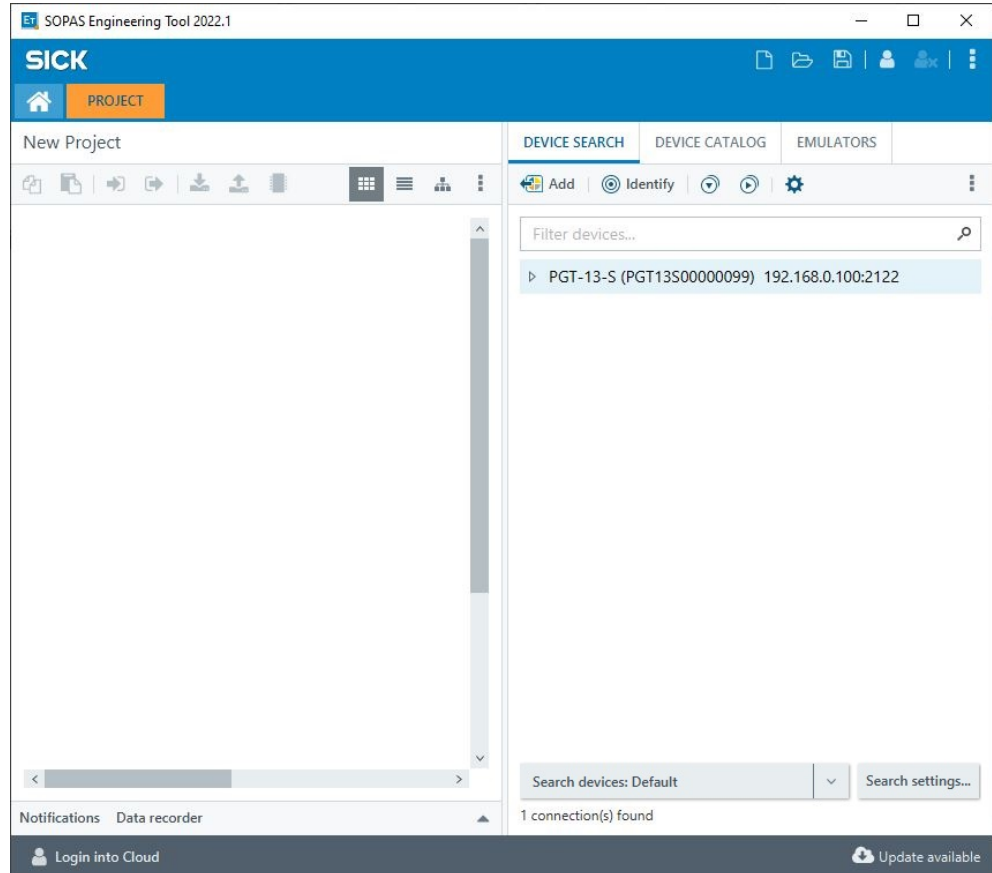


Figure 1: Install and start SOPAS Engineering Tool

## 1.2 Search for, find and connect to PGT-13-S devices

- 1 Click on "Search devices" to search for PGT-13-S which are available in your network.
- 2 By clicking on the arrow on the left side of the corresponding PGT-13-S device, the version, serial number and MAC Address can be checked.
- 3 Double-click on the selected PGT-13-S to be updated.

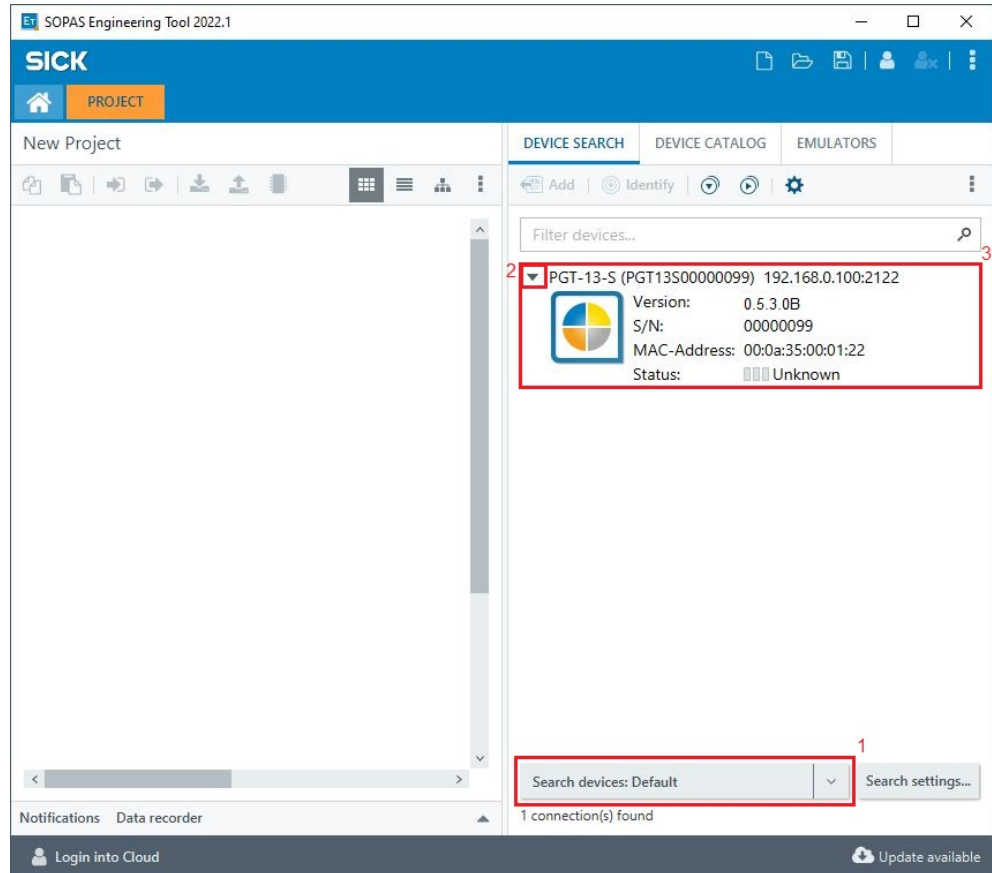


Figure 2: Search for, find and connect to PGT-13-S devices

## 1.3 SICK Device Driver (SDD) not installed?

- 1 If the corresponding SDD is missing, a "Device driver not installed" window will appear. In this case, please select "OK".
- 2 Install the device driver.
- 3 Double-click on the PGT-13-S to be updated to start the Updater and Password Manager Utilities.

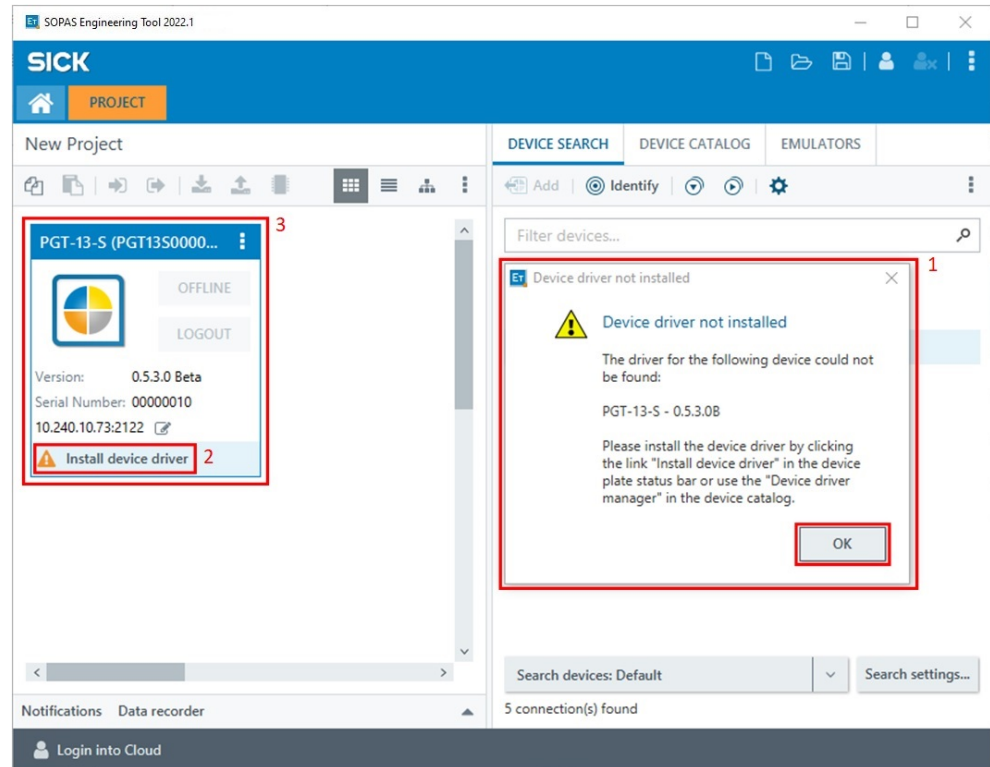


Figure 3: SICK Device Driver (SDD) not installed?

## 1.4 Installing the SICK Device Driver (SDD)

- 1 SDD may be installed by searching online or by selecting an offline file.

The offline file is also part of the update package provided for the PGT-13-S devices, under [www.sick.com](http://www.sick.com).

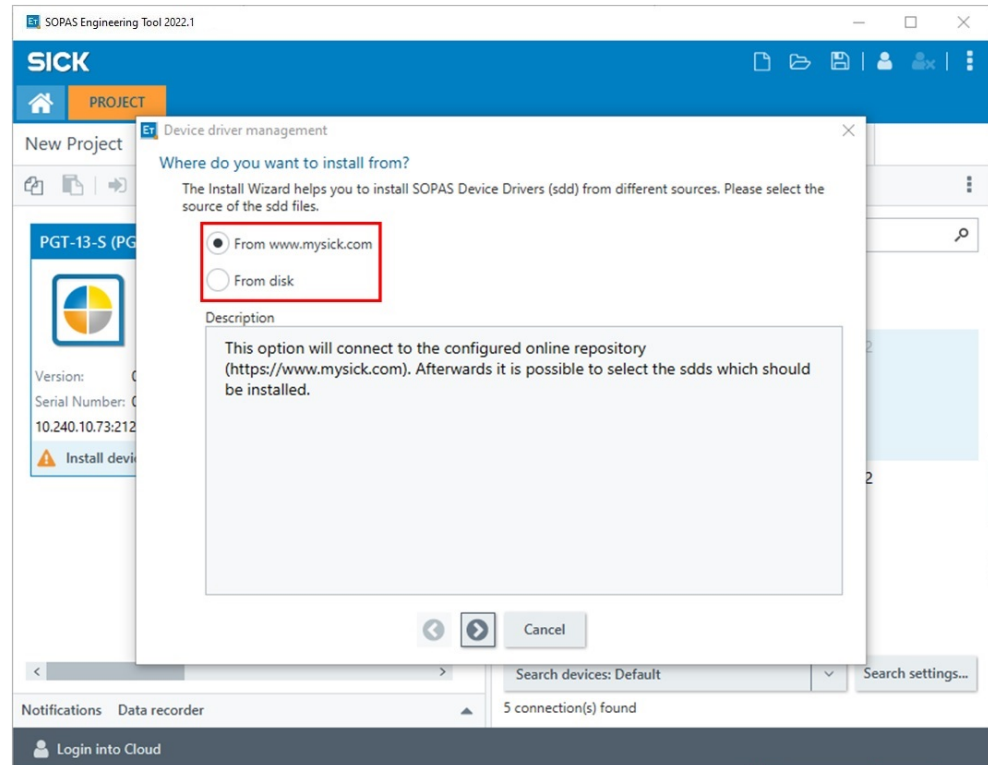


Figure 4: Installing the SICK Device Driver (SDD)

## 2 Updater

### 2.1 Introduction

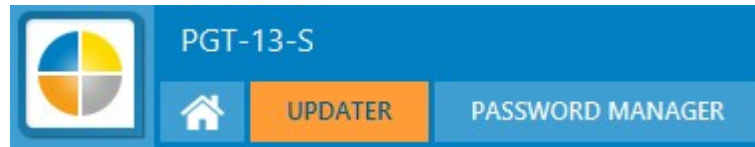


Figure 5: Updater

The Updater Utility enables you to execute offline PGT-13-S software updates. The update package may be downloaded from [www.sick.com](http://www.sick.com), located under the PGT-13-S product.

The package may include important frontend, backend and/or FPGA implementation relevant improvements or bug fixes.

Please ensure, that the SDD corresponds to your actual PGT-13-S version.

### 2.2 Executing the update 1/5

- 1 Click on the login button to log in to "Authorized Client" user level.
- 2 Choose "Authorized Client" and enter corresponding password. Default password may be found in the instruction manual (8026784).
- 3 Click "Login".
- 4 After successful login, ensure that the user level has changed to "Authorized Client".

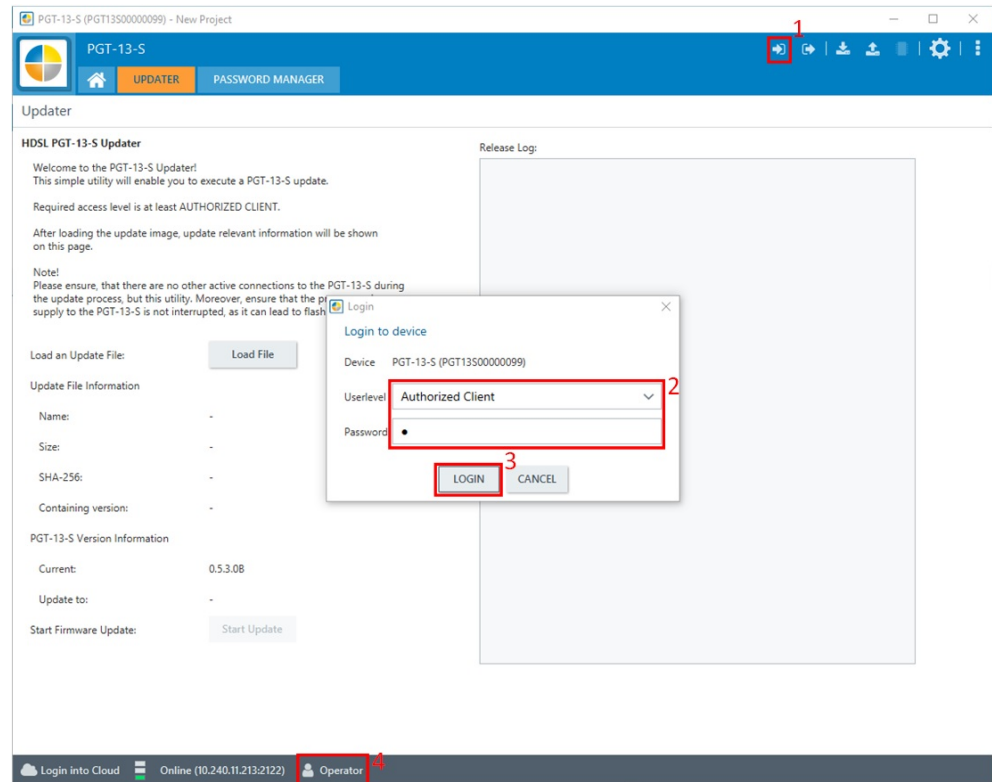


Figure 6: Executing the update 1/5



## 2.3 Executing the update 2/5

- 1 Load the update file, by clicking on "Load File". Only .ssu file formats are supported.
- 2 After the update file is loaded, file information will be shown by the Updater Utility, like e.g.: the version it contains.
- 3 The Updater Utility also provides a summary of the current and future versions.
- 4 A release log is extracted from the update package and can be seen on the right side of the Updater Utility.
- 5 Click "Start Update".

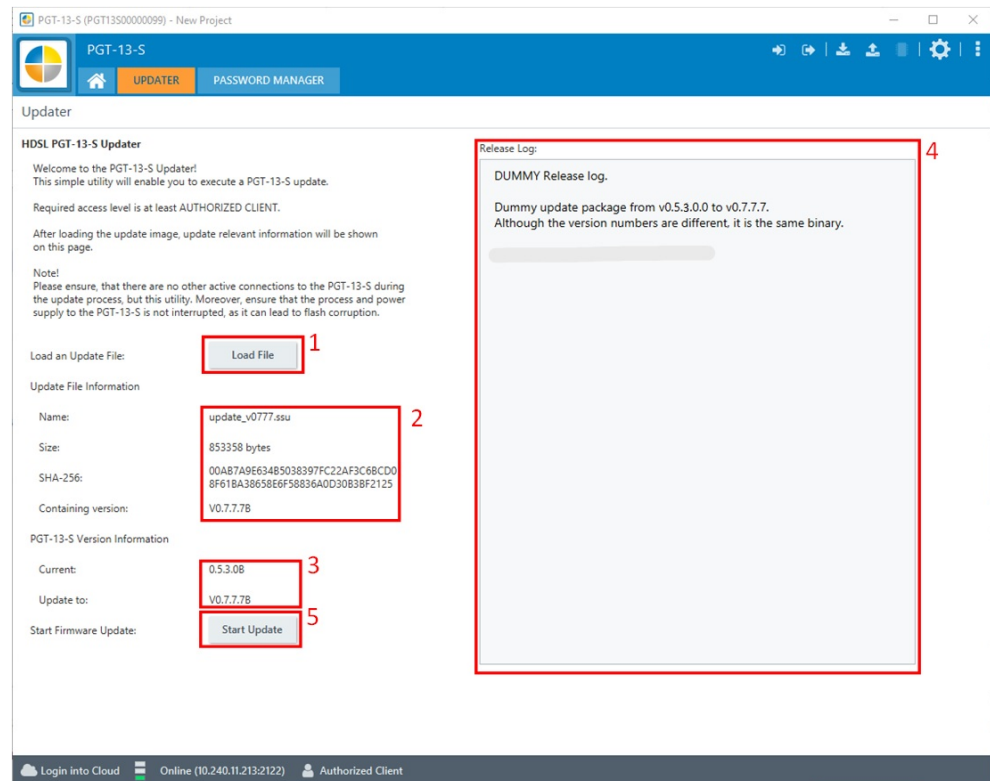


Figure 7: Executing the update 2/5

## 2.4 Executing the update 3/5

- 1 Please repeat the authentication, by choosing user level "Authorized Client" and entering the password.

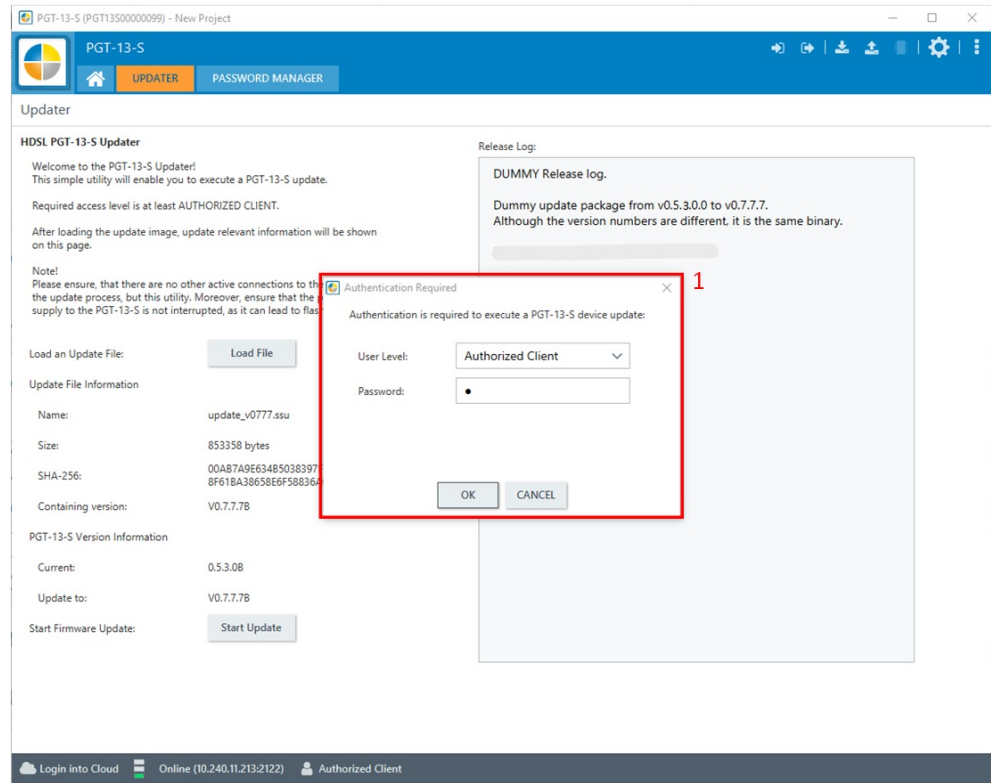


Figure 8: Executing the update 3/5

## 2.5 Executing the update 4/5

The update process will be executed.

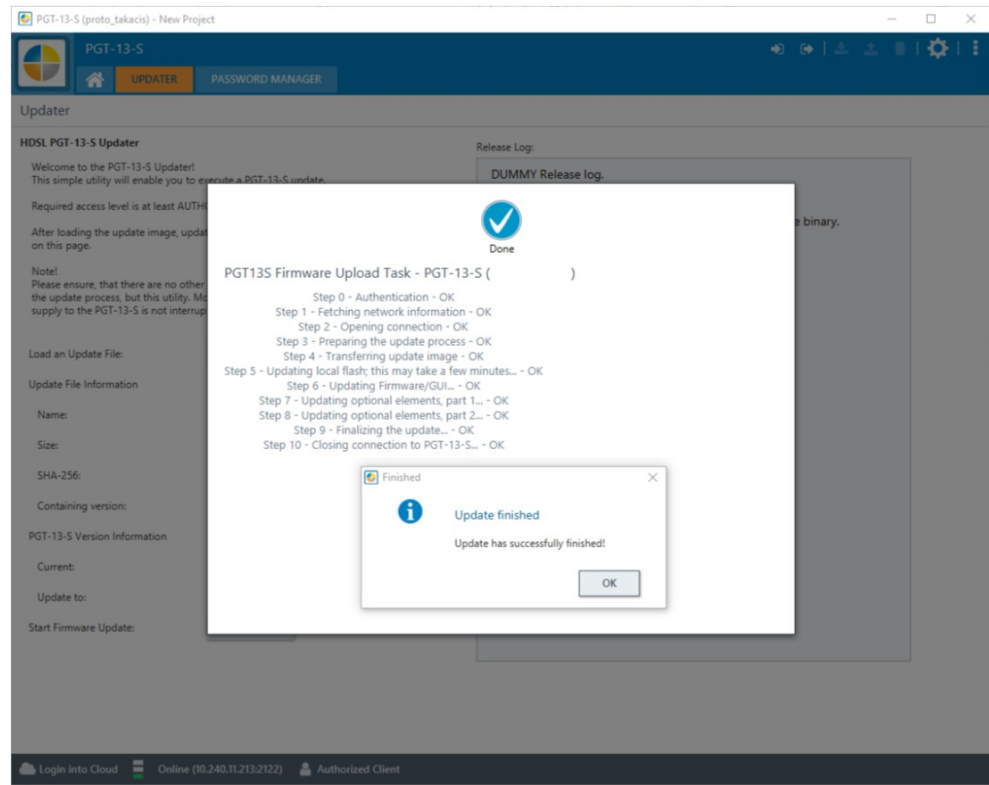


Figure 9: Executing the update 4/5

## 2.6 Executing the update 5/5



**CAUTION**

The PGT-13-S must be turned off and on (power reset) after the update process to finalize the update! Failing to do so may lead to critical errors in the device.

After finishing, irrespective of result, a summary in form of a log will be provided. This can be exported, if necessary and provided to SICK support in case of an error.

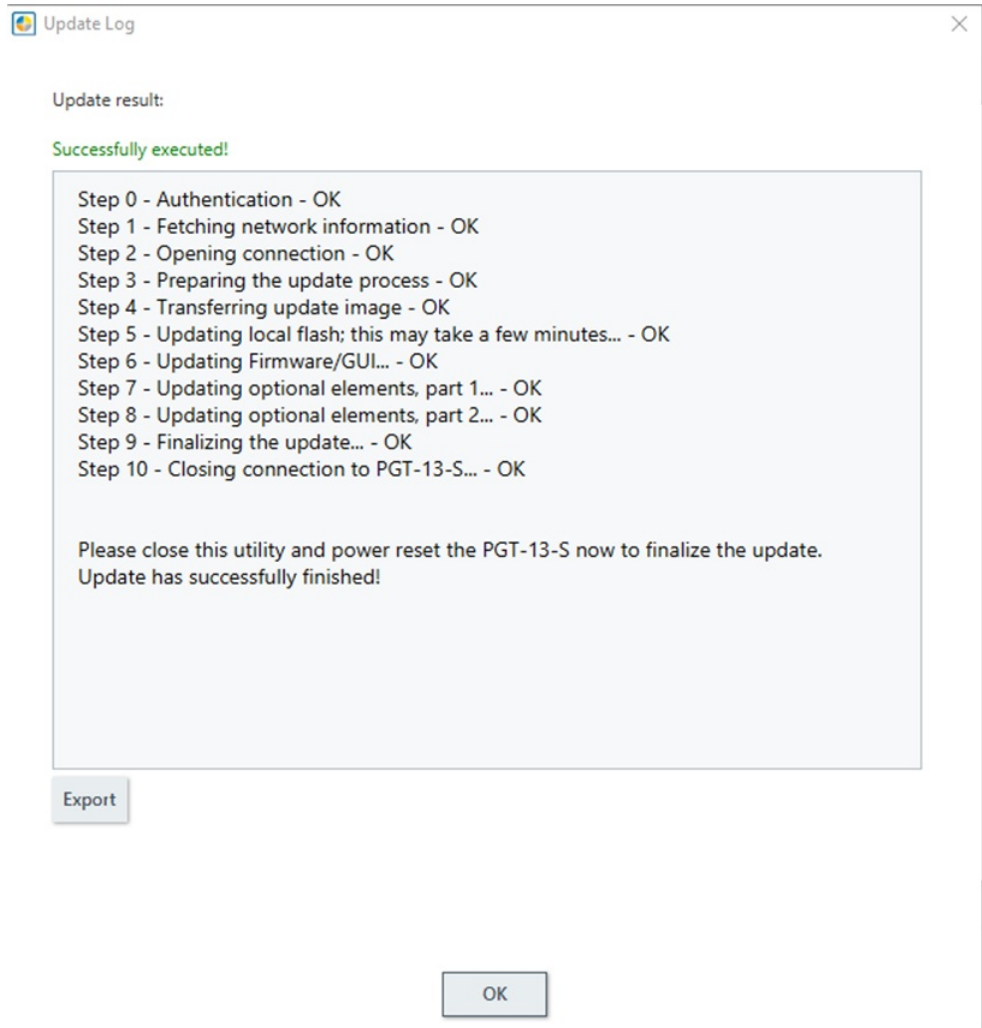


Figure 10: Executing the update 5/5

### 3 Password manager

#### 3.1 Introduction



Figure 11: Password manager 1/2

The Password Manager Utility enables you to manage the password for user level "Authorized Client", which is used only in case of software updates (see previously presented [Updater](#)).

This includes changing the current or recovering lost/forgotten password.



**CAUTION**

As the operating instruction 8026784 states, the default password for "Authorized Client" must be changed during initial commissioning!

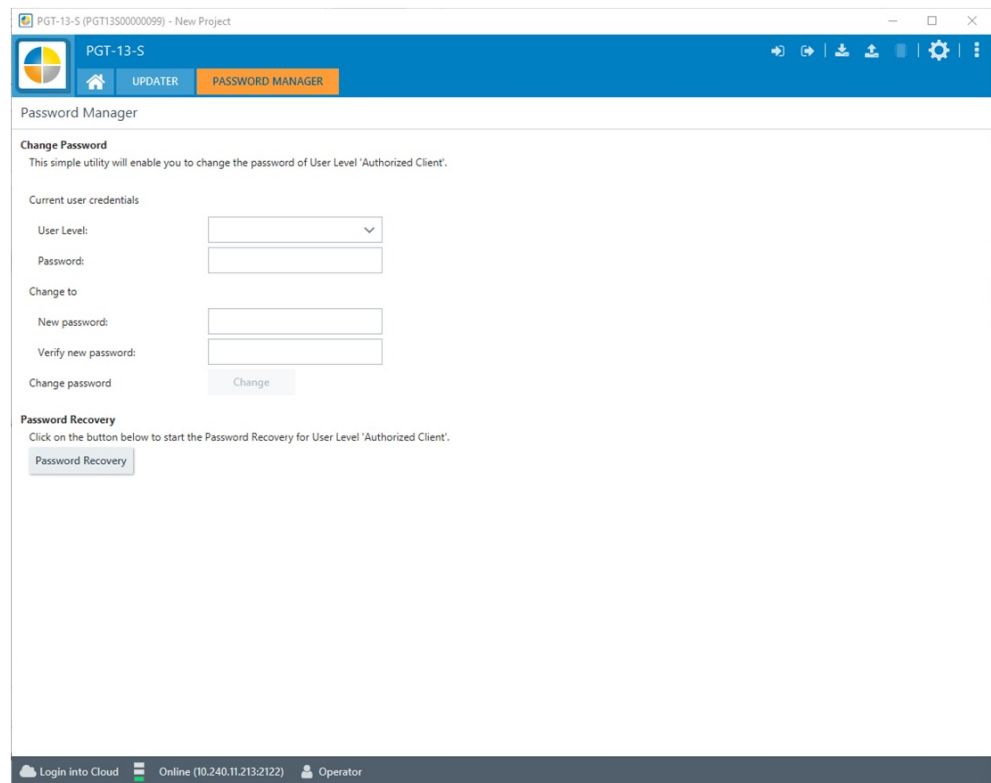


Figure 12: Password manager 2/2

## 3.2 Change the password

- 1 Please ensure, that you are logged in as "Authorized Client". Follow [Executing the update 1/5](#) on how to log in.
- 2 Select "Authorized Client" user level and enter the current password.
- 3 Enter the desired new password twice.
- 4 To apply the changes, click on the "Change" button.

The screenshot shows a web application window titled "PGT-13-S (PGT1350000099) - New Project". The interface has a blue header with a home icon, "UPDATER", and "PASSWORD MANAGER" buttons. Below the header, the "Password Manager" section is active. Under "Change Password", there is a sub-header "Change Password" and a description: "This simple utility will enable you to change the password of User Level 'Authorized Client'." The form is divided into two sections: "Current user credentials" and "Change to".

In the "Current user credentials" section, the "User Level" dropdown menu is set to "Authorized Client" (labeled with a red '2'). Below it is a "Password:" field with a red dot indicating a password is entered.

In the "Change to" section, there are two "New password:" fields, both containing two red dots (labeled with a red '3'). Below these is a "Change password" button labeled "Change" (labeled with a red '4').

At the bottom of the page, there is a "Password Recovery" section with a "Password Recovery" button. The footer of the application shows "Login into Cloud", "Online (10.240.11.213:2122)", and a user profile icon labeled "Authorized Client" (labeled with a red '1').

Figure 13: Change the password

### 3.3 Recover lost or forgotten password

- 1 To start the password recovery process, please click on the "Password Recovery" button.

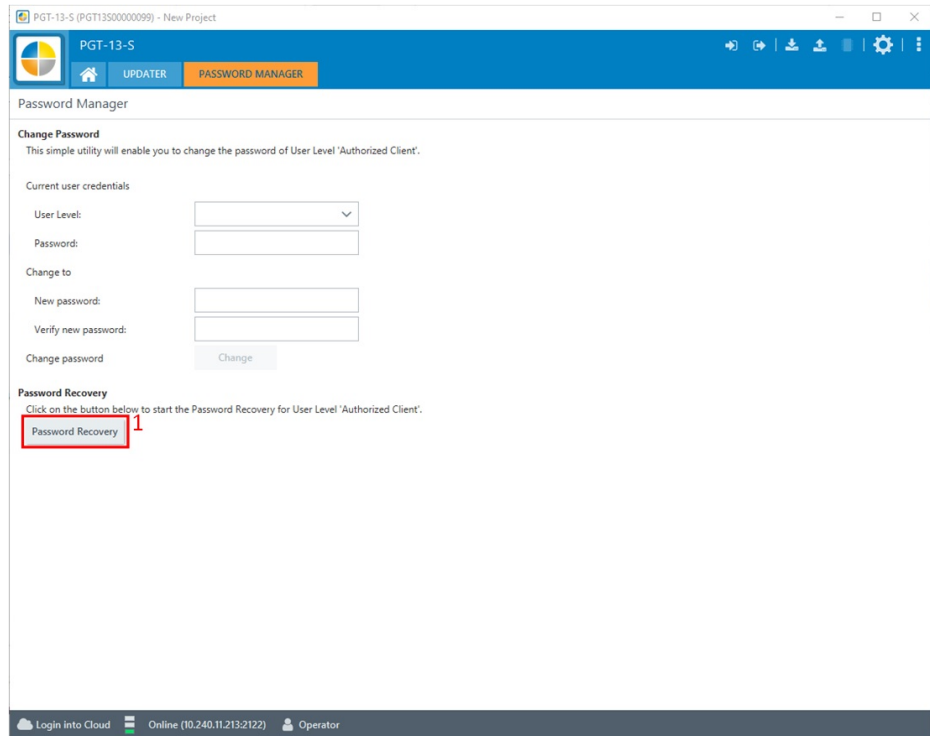


Figure 14: Recover lost or forgotten password 1/4

- 2 Click "Start" to start the password recovery.
- 3 The password recovery status will change from "INACTIVE" to "ACTIVE".
- 4 A generated challenge will be provided to the user. This challenge is saved in the device and stays active until the password recovery is or finished.
- 5 Provide SICK support the serial number and the generated challenge (3). SICK will send you the challenge response to finish the recovery.



#### NOTE

The password recovery may be started at any user level.

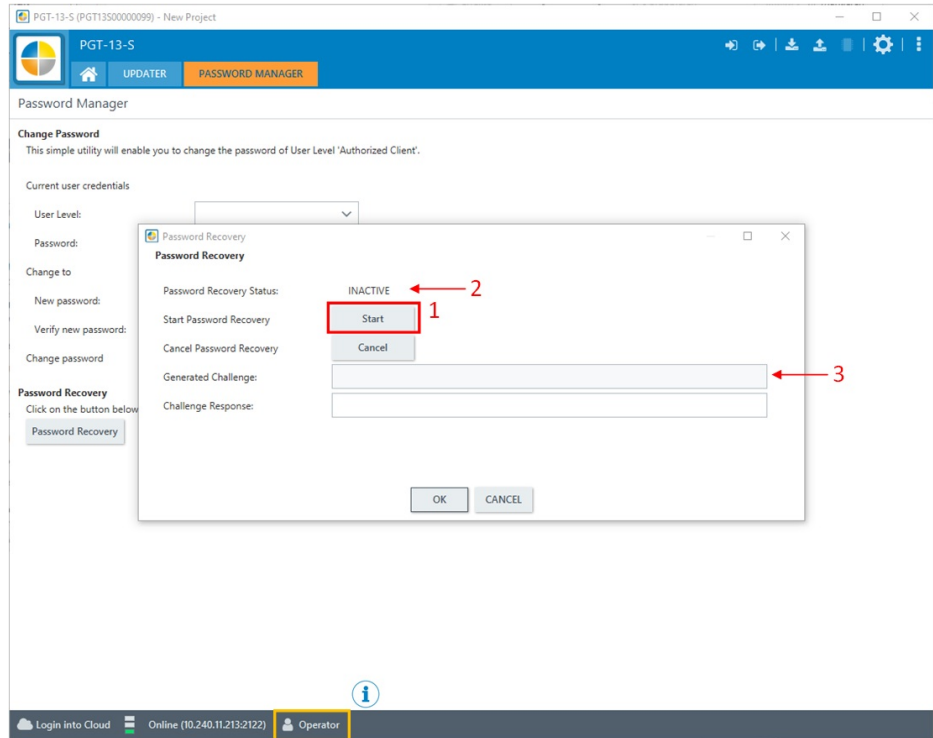


Figure 15: Recover lost or forgotten password 2/4

- 6 Enter the challenge response received from SICK support.
- 7 Click "OK" to complete the password recovery



**WARNING**

After a successfully completed password recovery, the password is set back to the default, documented in the operating instruction 8026784.



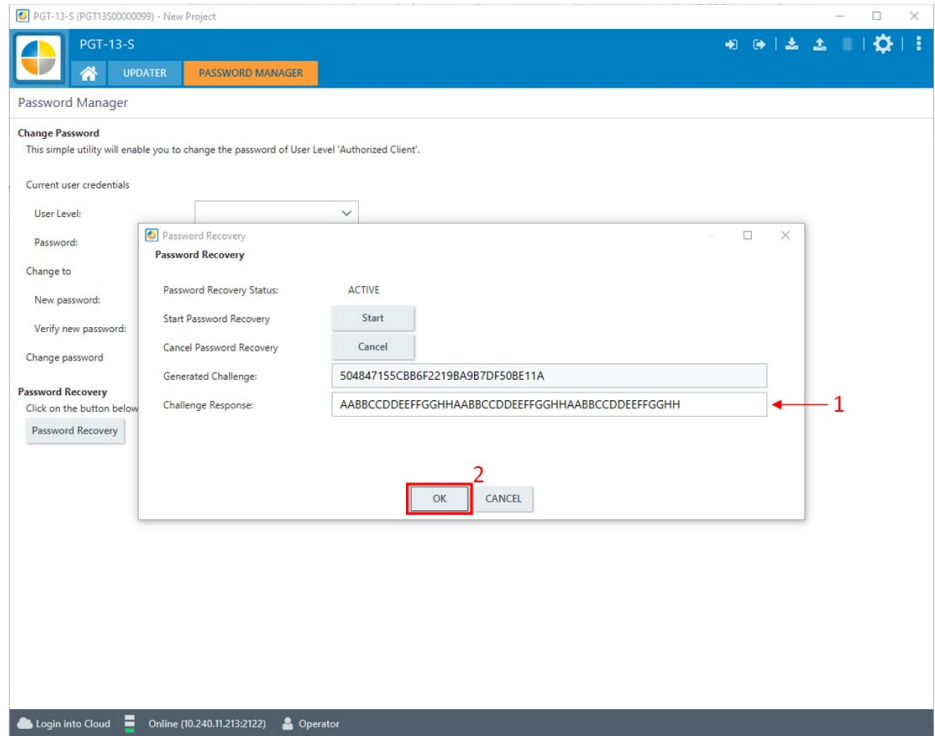


Figure 16: Recover lost or forgotten password 3/4

- 8 Successful password recovery is notified accordingly, and its status is set back to "INACTIVE".

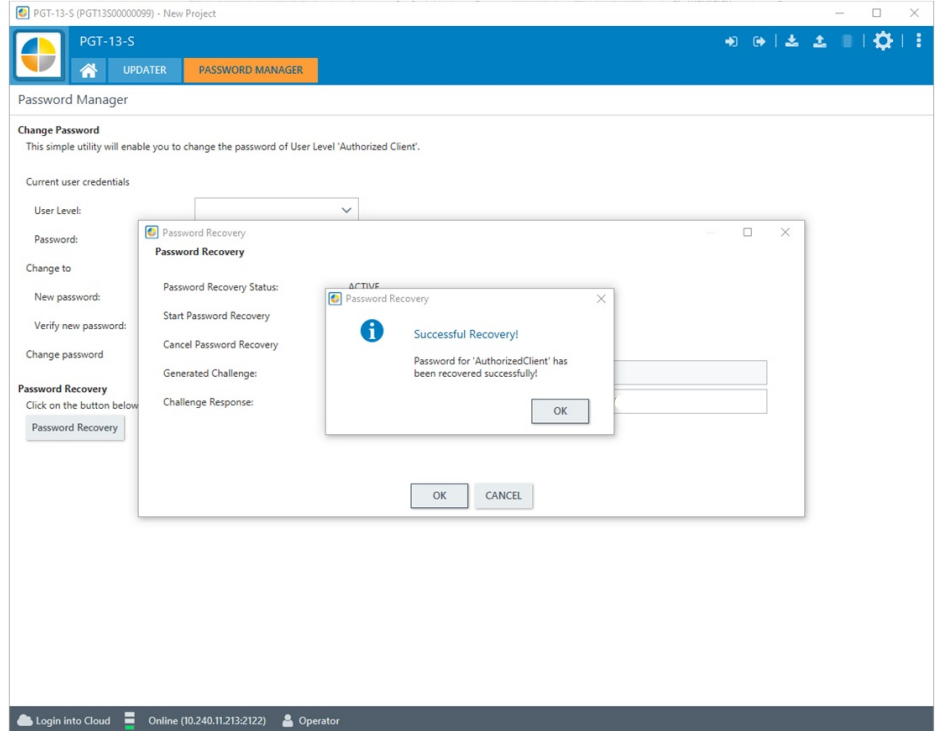


Figure 17: Recover lost or forgotten password 4/4

## 4 License manager

### 4.1 Access the Software License Manager

The Software License Manager is required only, if the Emulator Mode (or other modes) must be activated.

It can be reached, by accessing the PGT-13-S' graphical user interface over a web-browser.

Please navigate to "Settings" (1), "License Manager" (2) and open the License Manager (3).

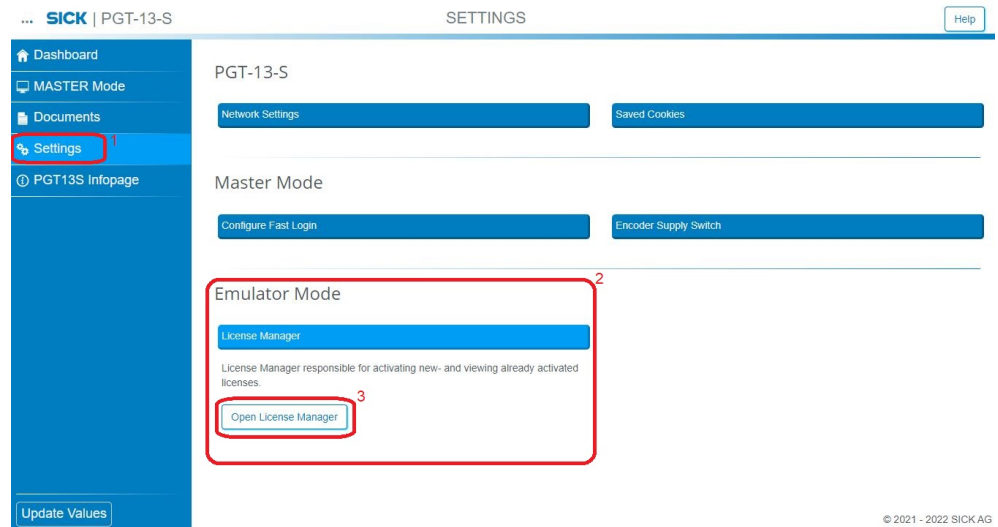


Figure 18: Access the Software License Manager

The next page of the License Manager lists all currently activated software products in the device.

By clicking on "License activation", the activation process can be started.

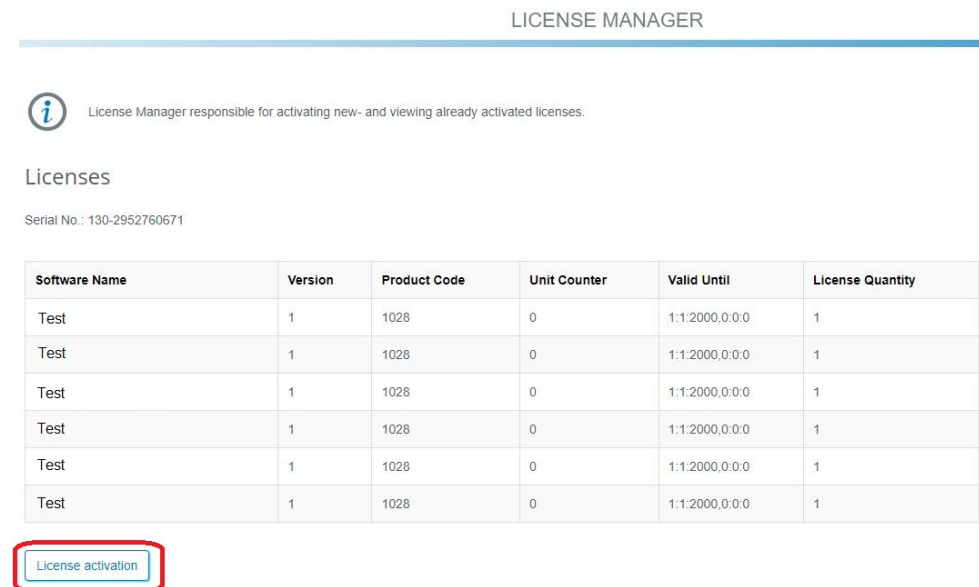


Figure 19: License activation

## 4.2 Activate a License

The PGT-13-S supports only offline, file-based license transfer processes.

The overview page provides you a rough overview of the required steps to activate a license.

Click "Next" to start the first step.





LICENSE MANAGER

---

Overview
Get Context File
Get License Update File
Install License Update File
Confirm Transfer

**Overview of the File-based License Transfer process.**

To continue an already started transfer, choose the step you want to jump to.

1. Get Context File	2. Get Update File	3. Install Update File	4. Confirmation
			
<ol style="list-style-type: none"> <li>1. Click "Save Context File" and save the "Context File" to your USB-stick</li> <li>2. Take USB stick to a PC connected to the internet</li> </ol>	<ol style="list-style-type: none"> <li>1. Connect USB stick to a PC connected to the internet. Open <a href="http://www.license.sick.com">www.license.sick.com</a> and enter your ticket.</li> <li>2. Select "File-based License Transfer" and check the license(s) to transfer.</li> <li>3. Pick the previously saved "Context File" from the USB stick as the license request file and press "Start Activation Now"</li> <li>4. Download the "License Update File" and save it to the USB stick</li> </ol>	<ol style="list-style-type: none"> <li>1. Take the USB stick to the offline device and plug it in.</li> <li>2. Click "Choose &amp; Install the License Update File" and select the desired "License Update File".</li> </ol>	<ol style="list-style-type: none"> <li>1. Click on "Save Receipt File" and save the "Receipt File" on your USB stick</li> <li>2. Go to the PC connected to the internet and plug in your USB stick</li> <li>3. Upload the "Receipt File" to <a href="http://www.license.sick.com">www.license.sick.com</a>, to confirm the transfer</li> </ol>

Cancel

Next

Figure 20: Activate a License

### 4.2.1 Step 1 – Get Context File

The current license context must be generated and saved locally on your computer or on a USB-Stick.

Click on "Save Context File" and save the generated file. Once the file has been generated, button "Next" will become available.

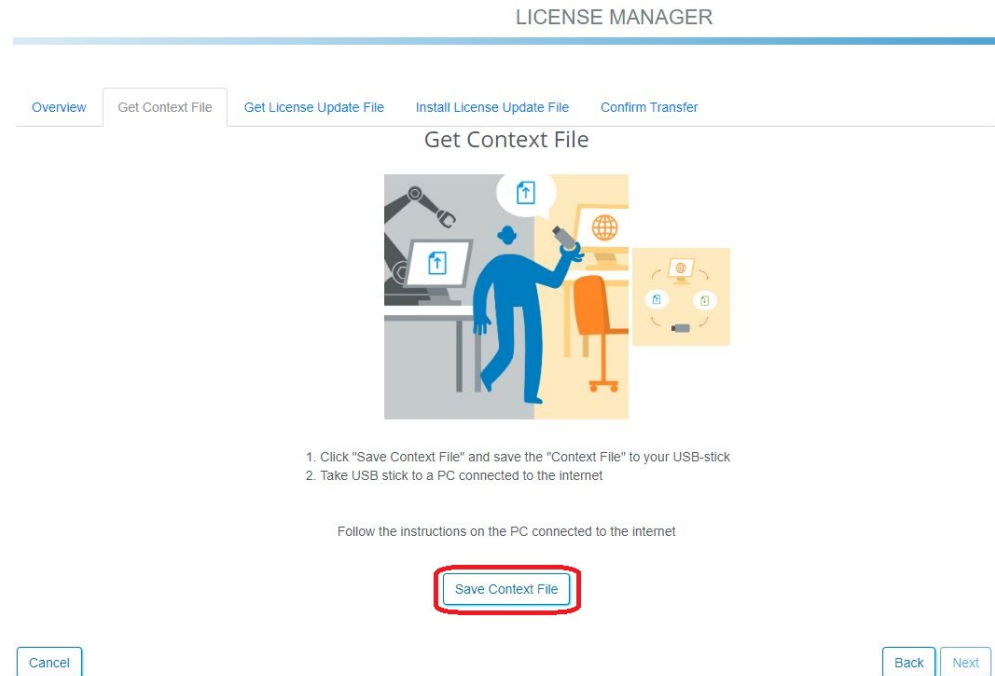


Figure 21: Get Context File

4.2.2 Step 2 – Get License Update File

1. The License Update File is generated by the SICK License Server, based on the generated context file from Step 1.
2. Navigate to <https://license.sick.com/index.php> and enter your ticket number received from SICK. It must be a 5x5 character long ticket number.

The screenshot shows the SICK License Manager web interface. At the top left is the SICK logo with the tagline 'Sensor Intelligence.' To the right is a language dropdown menu set to 'English'. Below the logo is a navigation bar with links for 'Home', 'My Licenses', and 'Auto Update'. The main heading is 'Available Licenses'. A box titled 'To activate your licenses:' contains three instructions: 1. Select the licenses you want to activate. 2. Select the locally connected CmContainer to which you want to transfer the licenses. 3. Click 'Activate Selected Licenses Now'. Below this is a table with columns: Name, Activated On, CmContainer, and Status. One license is listed: 'SENSORAPP ACTIVATION TESTING PERPETUAL' with a quantity of 1 and a status of 'Available'. Underneath the table is a 'Select CmContainer' section with a dropdown menu set to 'Get CmContainer automatically' and a refresh icon. A blue button labeled 'Activate Selected Licenses Now' is present. To the right of this button, the text 'File-based license transfer' is highlighted with a red rectangle. At the bottom, there are links for 'Show other licenses in this ticket', 'Select binding', and 'My Licenses'.

Figure 22: Get License Update File 1/3

3. Choose the software product you wish to activate in your PGT-13-S device.
4. Choose the context file saved locally.
5. Start activation.

**SICK**  
Sensor Intelligence.

Home My Licenses Auto Update

**Available Licenses**

Upload Request Download Update Upload Receipt

**To activate your licenses via file transfer - First step "Upload Request":**

If you have activated licenses from this ticket already, you can transfer additional licenses into the same CmContainer(s). If you want to use another CmContainer, you need a license request file of this new CmContainer.

1. Select an already used CmContainer or create a license request file with **Firm Code 6001264** for the CmContainer where you want to transfer the licenses to. This file can for example be created with CodeMeter Control Center. [How it works](#)
2. Select the licenses you want to activate.
3. Select the created license request file.
4. Click "Continue".

<input checked="" type="checkbox"/>	Name	Activated On	CmContainer	Status
<input checked="" type="checkbox"/>	SENSORAPP ACTIVATION TESTING PERPETUAL <small>(License Quantity: 1)</small>	-		Available

Select an already used CmContainer  
No CmContainer found! ▾

or

Pick a license request file (\*.WibuCmRaC) of another CmContainer  
Datei auswählen Keine ausgewählt

Start Activation Now Direct license transfer

[Show other licenses in this ticket](#)  
[Select binding](#)  
[My Licenses](#)

Figure 23: Get License Update File 2/3

6. Download the License Update File (extension: . WibuCmRaU).
7. Click "Next".



**NOTE**

Do not close this page, as it will be required later!

**SICK**  
Sensor Intelligence.

Home My Licenses Auto Update

**Download License Update File**

Upload Request ✓ Download Update Upload Receipt

**To transfer your licenses via file - Second step "Download Update":**

1. Click "Download License Update File Now" and save the file on your computer.
2. Import this license update file to the CmContainer with **Serial 130-2952760671**. This file can for example be imported with CodeMeter Control Center. [How it works](#)
3. After you have successfully transferred the license update file to the CmContainer, click "Next" to confirm the license transfer.

Download License Update File Now Next Direct license transfer

[My Licenses](#)

Figure 24: Get License Update File 3/3

### 4.2.3 Step 3 – Install License Update File

1. Navigate back to the PGT-13-S graphical user interface and install the previously downloaded License Update File.  
Once the file has been uploaded, the "Next" button will become available.

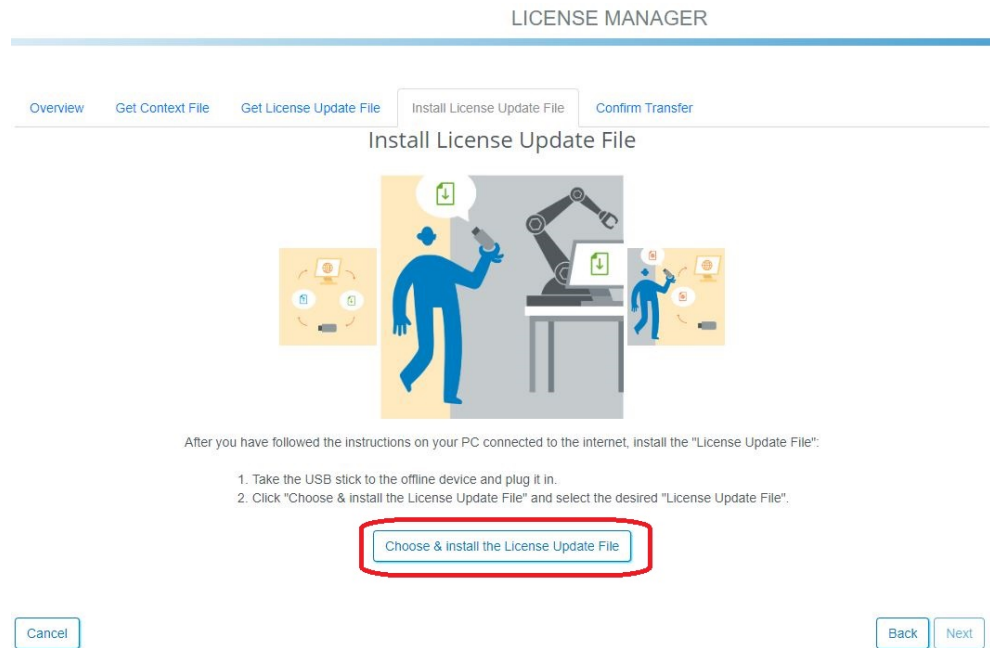


Figure 25: Install License Update File

4.2.4 Step 4 – Confirm Transfer

1. Confirm transfer, by generating and downloading a "Receipt File". File with extension. WibuCmRaC must be provided.

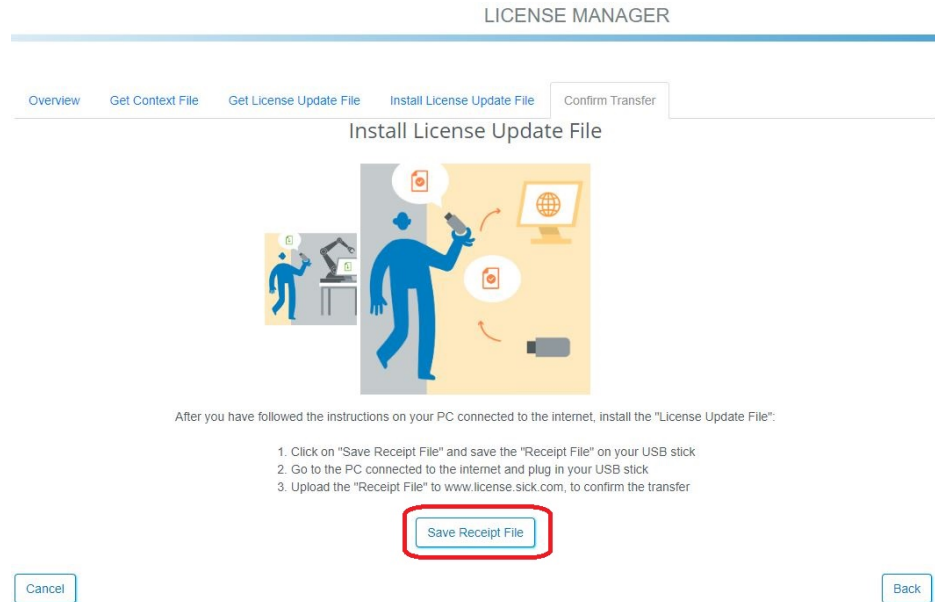


Figure 26: Confirm Transfer 1/3

2. Upload the generated receipt file to the SICK License Server and click on "Upload Receipt Now" ("Quittung jetzt hochladen").

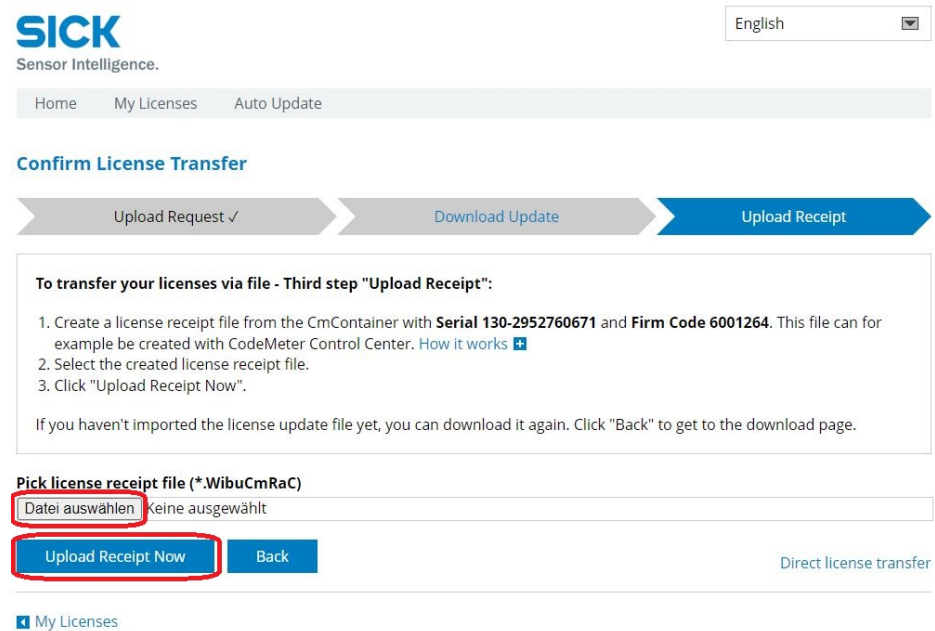


Figure 27: Confirm Transfer 2/3

A confirmation page must appear. If not, please contact SICK support!  
This concludes the license activation process!



**NOTE**

By clicking on "OK", you will be navigated back to the list of activated and/or not yet activated licenses, represented by your Ticket and seen by the SICK License Server.



English [Home](#) [My Licenses](#) [Auto Update](#)**License Transfer Successfully Completed**

The license transfer has been completed successfully.

OK

*Figure 28: Confirm Transfer 3/3*

**Australia**

Phone +61 (3) 9457 0600  
1800 33 48 02 – tollfree  
E-Mail sales@sick.com.au

**Austria**

Phone +43 (0) 2236 62288-0  
E-Mail office@sick.at

**Belgium/Luxembourg**

Phone +32 (0) 2 466 55 66  
E-Mail info@sick.be

**Brazil**

Phone +55 11 3215-4900  
E-Mail comercial@sick.com.br

**Canada**

Phone +1 905.771.1444  
E-Mail cs.canada@sick.com

**Czech Republic**

Phone +420 234 719 500  
E-Mail sick@sick.cz

**Chile**

Phone +56 (2) 2274 7430  
E-Mail chile@sick.com

**China**

Phone +86 20 2882 3600  
E-Mail info.china@sick.net.cn

**Denmark**

Phone +45 45 82 64 00  
E-Mail sick@sick.dk

**Finland**

Phone +358-9-25 15 800  
E-Mail sick@sick.fi

**France**

Phone +33 1 64 62 35 00  
E-Mail info@sick.fr

**Germany**

Phone +49 (0) 2 11 53 010  
E-Mail info@sick.de

**Greece**

Phone +30 210 6825100  
E-Mail office@sick.com.gr

**Hong Kong**

Phone +852 2153 6300  
E-Mail ghk@sick.com.hk

**Hungary**

Phone +36 1 371 2680  
E-Mail ertekesites@sick.hu

**India**

Phone +91-22-6119 8900  
E-Mail info@sick-india.com

**Israel**

Phone +972 97110 11  
E-Mail info@sick-sensors.com

**Italy**

Phone +39 02 27 43 41  
E-Mail info@sick.it

**Japan**

Phone +81 3 5309 2112  
E-Mail support@sick.jp

**Malaysia**

Phone +603-8080 7425  
E-Mail enquiry.my@sick.com

**Mexico**

Phone +52 (472) 748 9451  
E-Mail mexico@sick.com

**Netherlands**

Phone +31 (0) 30 229 25 44  
E-Mail info@sick.nl

**New Zealand**

Phone +64 9 415 0459  
0800 222 278 – tollfree  
E-Mail sales@sick.co.nz

**Norway**

Phone +47 67 81 50 00  
E-Mail sick@sick.no

**Poland**

Phone +48 22 539 41 00  
E-Mail info@sick.pl

**Romania**

Phone +40 356-17 11 20  
E-Mail office@sick.ro

**Russia**

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E-Mail info@sick.ru

**Singapore**

Phone +65 6744 3732  
E-Mail sales.gsg@sick.com

**Slovakia**

Phone +421 482 901 201  
E-Mail mail@sick-sk.sk

**Slovenia**

Phone +386 591 78849  
E-Mail office@sick.si

**South Africa**

Phone +27 10 060 0550  
E-Mail info@sickautomation.co.za

**South Korea**

Phone +82 2 786 6321/4  
E-Mail infokorea@sick.com

**Spain**

Phone +34 93 480 31 00  
E-Mail info@sick.es

**Sweden**

Phone +46 10 110 10 00  
E-Mail info@sick.se

**Switzerland**

Phone +41 41 619 29 39  
E-Mail contact@sick.ch

**Taiwan**

Phone +886-2-2375-6288  
E-Mail sales@sick.com.tw

**Thailand**

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E-Mail marcom.th@sick.com

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E-Mail info@sick.com.tr

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**USA**

Phone +1 800.325.7425  
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**Vietnam**

Phone +65 6744 3732  
E-Mail sales.gsg@sick.com

Detailed addresses and further locations at [www.sick.com](http://www.sick.com)